

Tests On Reinforcing Steel - Rebar

Customer: DAVID NAISH
5731 BOELTER HALL UCLA
LOS ANGELES, CA. 90024

Project: PANKOW
UCLA
LOS ANGELES, CA.

Architect

Engineer

Client's Customer: DAVID NAISH

Contractor

SubContractor

Print Date: 08/16/2007

Lab Number: 1-22-070077218

Project No: 070384.1

Permit No:

OSHPD:

DSA AP #:

DSA File #:

Sampled By: CLIENT

Sampled At: JOBSITE

Sampled On: 7/18/2007

Date Received: 7/18/2007

Specifications: ASTM A615, *A706, **A615 And A706

Date Tested: 7/24/2007

Grade	Size		Mfg / Mill	Heat No.	Weight (Lbs)	Yield Str (psi)	Tensile Str (psi)	Elon %	GL	Bend Test
60	7 (22)	**	CASCADE	N/I	----	70100	90100	14.0	8	
60	7 (22)	**	CASCADE	N/I	----	72100	90700	14.0	8	
60	7 (22)	**	CASCADE	N/I	----	68200	90800	19.0	8	

Compliance: Materials Tested ☒ Comply ☐ Did Not Comply

With Subject Specifications

LINAS VITKUS - FILE COPY

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DAVID NAISH

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Comments:

Linus Vitkus

Civil Engineer

Date

Material Testing and Non-Destructive Testing

Contact: Tim McNair
Twining Laboratories Of So. Ca
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Long Beach, CA 90806

15062 Bolsa Chica
Huntington Beach, CA 92649
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Telephone : (714) 892-1961
Telefax : (714) 892-8159
Website : www.storksmti.com

Date: 8/16/2007 **P.O. No.:** 8807-B **W/O No.:** TWI004-08-08-56628-1

TEST CERTIFICATE

Description:	Rebar
Job Name:	Pankow (UCLA)
Job No.:	070384.1

TENSILE							
Specification: 1	ASTM A 615-06a, GRADE 60						
Specification: 2	ASTM A 706-06a, GRADE 60						
Test Method:	ASTM A 370-06						
Sample No.	Tensile Strength	Yield Strength At 0.2% Offset		Elongation in 1"	Reduction of Area	Diameter	Area
	Min. (psi)	Min. (psi)	Max (psi)	Min. (%)	Min. (%)	(in)	(in)
Requirements : 1	90,000	60,000	N/S	9	N/S		
Requirements : 2	80,000	60,000	78,000	12	N/S		
1-1	98,500	64,000		24	56	0.493	0.1909
1-2	98,500	64,000		25	56	0.506	0.201
1-3	98,500	63,000		26	55	0.500	0.1963

MATERIAL CONFORMS TO SPECIFICATION

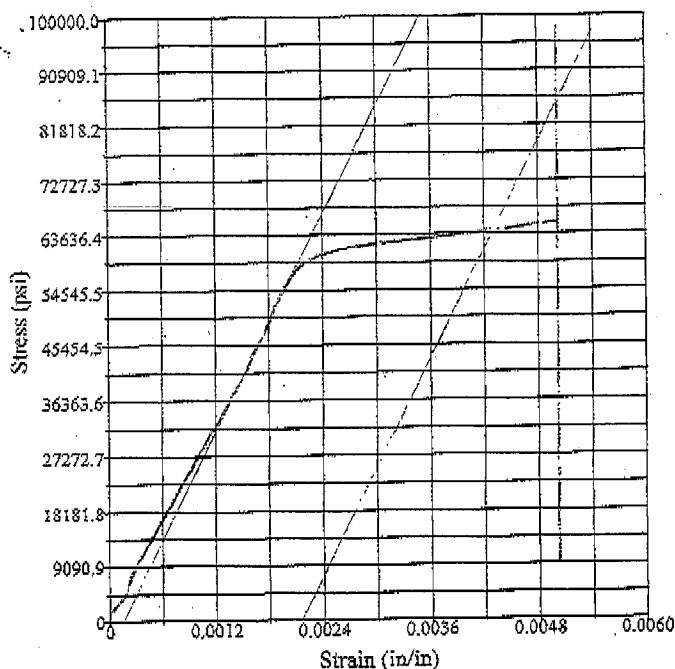
Respectfully Submitted



Lynn Ho
Senior Quality Administrator



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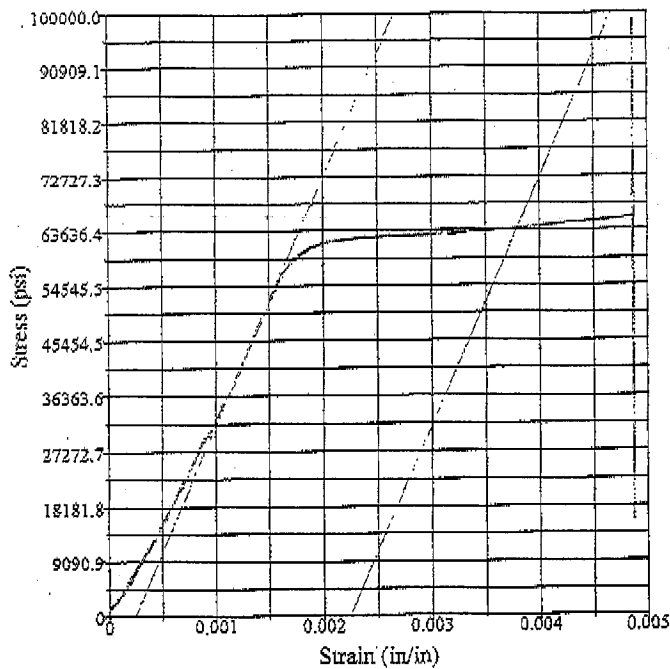
Test Results

Area:	0.1909 in ²
Tensile Strength:	98,500 psi
Peak Load:	18794 lbf
Young's Modulus:	29884631.3 psi
Total Elongation:	23.8 %
Pretest Punch Length:	2 in
Posttest Punch Length:	2.475 in
Load at Offset:	12235.6500 lbf
Stress at Offset:	64,000 psi
After Test Area:	0.0840 in ²
Reduction of Area:	55.9979 %
Diameter:	0.4930 in
After Test Diameter:	0.3270 in

ACCEPTED

Test Summary

Counter:	13704
Elapsed Time:	00:07:51
Sample:	1
Procedure Name:	5-RTT-2 in AS 7101- E8 ROUND
Start Date:	8/16/2007
Start Time:	11:07:56 AM
End Date:	8/16/2007
End Time:	11:15:47 AM
Workstation:	SATEC 100K P075
Tested By:	Default
Work Order:	TWI004080856628+1+2100+
Operator:	YOUSEF H.
Specimen Identification:	1-1



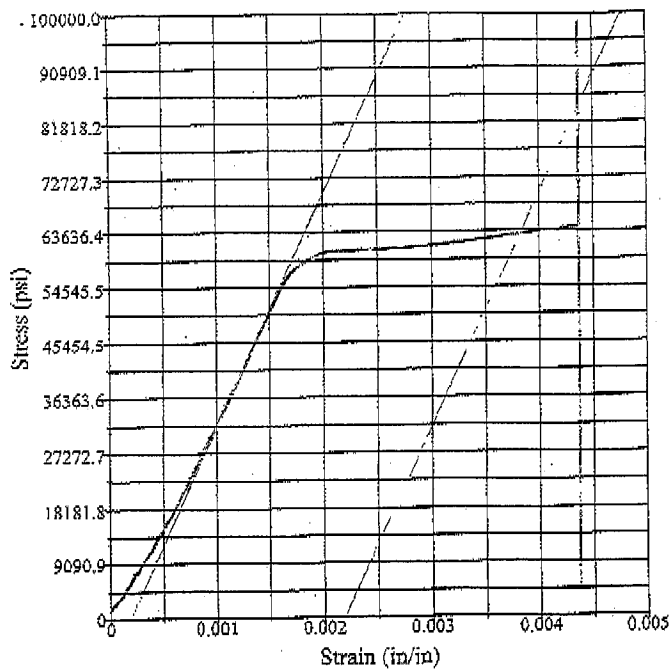
Test Results

Area:	0.2011 in ²
Tensile Strength:	98,500
Peak Load:	98480 psi
Young's Modulus:	19804 lbf
Total Elongation:	41204784.0 psi
Pretest Punch Length:	25.0 %
Posttest Punch Length:	2 in
Load at Offset:	2.500 in
Stress at Offset:	12861.9400 lbf
After Test Area:	63960 psi
Reduction of Area:	0.0887 in ²
Diameter:	55.8926 %
After Test Diameter:	0.5060 in
	0.3360 in

ACCEPTED

Test Summary

Counter:	13705
Elapsed Time:	00:06:49
Sample:	1
Procedure Name:	5-RTT-2 in AS 7101- E8 ROUND
Start Date:	8/16/2007
Start Time:	11:21:22 AM
End Date:	8/16/2007
End Time:	11:28:11 AM
Workstation:	SATEC 100K P075
Tested By:	Default
Work Order:	TWI004080856628+1+2100+
Operator:	YUSEF H.
Specimen Identification:	1-2



Test Results

Area: 98,500
 Tensile Strength: 98,500
 Peak Load: 98,500
 Young's Modulus: 26%
 Total Elongation: 26%
 Pretest Punch Length: 2 in
 Posttest Punch Length: 2.528 in
 Load at Offset: 63,000
 Stress at Offset: 63,000
 After Test Area: 0.0887 in²
 Reduction of Area: 55%
 Diameter: 0.5000 in
 After Test Diameter: 0.3360 in

0.1963 in²
 98260 psi
 19288 lbf
 38644929.8 psi
 26.4 %
 2 in
 2.528 in
 12379.9100 lbf
 63070 psi
 0.0887 in²
 54.8141 %
 0.5000 in
 0.3360 in

ACCEPTED

Test Summary

Counter: 13706
 Elapsed Time: 00:06:49
 Sample: 1
 Procedure Name: 5-RTT-2 in AS 7101- ES ROUND
 Start Date: 8/16/2007
 Start Time: 11:34:03 AM
 End Date: 8/16/2007
 End Time: 11:40:52 AM
 Workstation: SATEC 100K P075
 Tested By: Default
 Work Order: TWI004080856628+1+2100+
 Operator: YOUSEF H.
 Specimen Identification: 1-3